

Environmental Protection Agency

§ 421.86

PSES—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Zinc766	.315

(f) Subpart H—Casting Wet Air Pollution Control.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of zinc cast	
Cadmium051	.021
Zinc262	.108

(g) Subpart H—Casting Contact Cooling.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of zinc cast	
Cadmium036	.014
Zinc185	.076

(h) Subpart H—Cadmium Plant Wastewater.

PSES

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cadmium produced	
Cadmium	1.234	.494
Zinc	6.295	2.592

§ 421.86 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of wastewater pollutants in primary zinc process wastewaters introduced into a POTW shall not exceed the following values:

(a) Subpart H—Zinc Reduction Furnace Wet Air Pollution Control.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of zinc reduced	
Cadmium334	.134
Zinc	1.702	.701

(b) Subpart H—Preleach of Zinc Concentrates.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of concentrate leached	
Cadmium180	.072
Zinc919	.378

(c) Subpart H—Leaching Wet Air Pollution Control.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of zinc processed through leaching	
Cadmium000	.000
Zinc000	.000

(d) Subpart H—Electrolyte Bleed Wastewater.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cathode zinc produced	
Cadmium086	.035
Zinc441	.182

(e) Subpart H—Cathode and Anode Wash Wastewater.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cathode zinc produced	
Cadmium150	.060

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PSNS—Continued

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
Zinc766	.315

(f) Subpart H—Casting Wet Air Pollution Control.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of zinc cast	
Cadmium051	.021
Zinc262	.108

(g) Subpart H—Casting Contact Cooling.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of zinc cast	
Cadmium	0.036	0.014
Zinc	0.185	0.076

(h) Subpart H—Cadmium Plant Wastewater.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cadmium produced	
Cadmium	1.234	0.494
Zinc	6.295	2.592

§ 421.87 [Reserved]

Subpart I—Metallurgical Acid Plants Subcategory

§ 421.90 Applicability: Description of the metallurgical acid plants subcategory.

The provisions of this subpart apply to process wastewater discharges resulting from or associated with the manufacture of by-product sulfuric acid at primary copper smelters, primary zinc facilities, primary lead facilities, and primary molybdenum fa-

cilities, including any associated air pollution control or gas-conditioning systems for sulfur dioxide off-gases from pyrometallurgical operations.

[49 FR 8811, Mar. 8, 1984, as amended at 50 FR 38342, Sept. 20, 1985]

§ 421.91 Specialized definitions.

(a) Except as provided below, the general definitions, abbreviations, and methods of analysis set forth in 40 CFR part 401 apply to this subpart.

(b) The term *product* means 100 percent equivalent sulfuric acid, H₂ SO₄ capacity.

[50 FR 38342, Sept. 20, 1985]

§ 421.92 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

SUBPART I—METALLURGICAL ACID PLANT

Pollutant or pollutant property	BPT effluent limitations	
	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds of 100% sulfuric acid capacity)	
Cadmium	0.180	0.090
Copper	5.000	2.000
Lead	1.800	0.790
Zinc	3.600	0.900
Fluoride ¹	212.800	121.000
Molybdenum ¹	40.180	20.790
Total suspended solids	304.000	152.000
pH	²	²

¹ For Molybdenum Acid Plants Only.

² Within the range of 6.0 to 9.0 at all times.

[50 FR 38342, Sept. 20, 1985; 50 FR 52776, Dec. 26, 1985]

§ 421.93 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

Except as provided in 40 CFR 125.30 through 125.32, any existing point